

CHAMPION

PL-SERIES | 7.5-15 HP RECIPROCATING COMPRESSORS

Pump Model PL-30A

The Solution to Your Application

Champion PL-Series pressure lubricated compressors offer rugged standard features, a wide selection of configurations, quality available options, and a time-tested design. High performance, long life and tremendous value make Champion compressors the proven solution to your application.

Standard Features

- Magnetic Starter
- Loadless starting (via hydraulic unloader)
- Dual control
- ASME pressure relief valve
- ODP NEMA 1760 RPM motor
- 10 Micron intake air filter
- ASME coded receiver
- 0-300 PSIG air pressure gauge
- Available voltages
 - 1 Phase—115/208-230
 - 3 Phase—208/230/460/575
- 1-Year package warranty
- 5-Year pro-rated pump warranty

Available Options

- Multiple tank sizes and variations
- Electric or engine driven
- NEMA 4 full-voltage starter upgrade
- Premium efficiency motor upgrades
- Control panel upgrades
- Aftercooler with or without moisture separator
- Low oil-pressure switch (NEMA 1 or 4)
- Vibration isolators
- High temperature switch (NEMA 1 or 4)
- Available switches (NEMA 1 or 4)
 - Hand/Off/Auto, Off/On
- Pneumatic or electric tank drain



BARE PUMP

MODEL	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	DISPL./REV. CUBIC FEET	BORE DIA. INCHES	STROKE INCHES	# OF CYLINDERS	OIL CAPACITY QTS.	MIN/MAX PUMP RPM
PL-30A	23.6 x 22.4 x 26	220	0.05828	4.6 & 2.5	3	4	4	400/1000

BASE MOUNTED UNITS

MOTOR HP	PL-SERIES CBBPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	125 PSI RATING		175 PSI RATING		250 PSI RATING	
				RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
7.5	BPL7	43 x 22.5 x 28.5	310	670	30	575	25.87	520	21.3
10	BPL10	43 x 22.5 x 28.5	540	810	37.3	740	34.8	640	27.5
15	BPL15F	49.5 x 26.5 x 28.8	550	1045	50.2	1045	49	900	42.6

SIMPLEX TANK MOUNTED UNITS

MOTOR HP	TANK CAPACITY GAL.	HORIZONTAL TANK MOUNTED			VERTICAL TANK MOUNTED			125 PSI RATING		175 PSI RATING		250 PSI RATING	
		PL-SERIES CBSPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	PL-SERIES CBSPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
7.5	80	HPL7-8	67.3 x 26 x 49.5	665	VPL7-8	42.5 x 30 x 66.8	665	670	30	575	25.8	520	21.3
7.5	120	HPL7-12	71 x 26 x 52.8	860	VPL7-12	43.5 x 30 x 81	800	670	30	575	25.8	520	21.3
10	80	HPL10-8	67.3 x 26 x 49.5	675	VPL10-8	42.5 x 30 x 66.8	860	810	37.3	740	34.8	640	27.5
10	120	HPL10-12	71 x 26 x 52.8	890	VPL10-12	43.5 x 30 x 81	890	810	37.3	740	34.8	640	27.5
10	250	HPL10-25	88 x 31 x 60	1295	N/A	N/A	N/A	810	37.3	740	34.8	640	27.5
15	120	HPL15F-12	71 x 26 x 52.8	840	N/A	N/A	N/A	1045	50.2	1045	49	900	42.6
15	250	HPL15F-25	88 x 31 x 60	1275	N/A	N/A	N/A	1045	20.2	1045	49	900	42.6

DUPLEX TANK MOUNTED UNITS

MOTOR HP	TANK CAPACITY GAL.	PL-SERIES CBDPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	125 PSI RATING		175 PSI RATING		250 PSI RATING	
					RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
7.5 (2)	120	HPL7D-12	83 x 30 x 56	1305	670	60	575	51.6	520	42.6
7.5 (2)	250	HPL7D-25	88 x 33 x 61.3	1675	670	60	575	51.6	520	42.6
10 (2)	120	HPL10D-25	83 x 30 x 56	1725	810	74.6	740	69.6	640	55
10 (2)	250	HPL10D-12	88 x 33 x 61.3	1725	810	74.6	740	69.6	640	55
15 (2)	120	HPL15DF-12	91.8 x 26.5 x 48.8	1860	1045	100.4	1045	98	900	85.2
15 (2)	250	HPL15DF-25	83 x 30 x 56	1830	1045	100.4	1045	98	900	85.2

Simplex CFM values are doubled for duplex units. Duplex units have two motors and two pumps on one tank.



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